

S/078/60/005/009/033/040/XX
B017/B058

AUTHORS: Mateyko, Z. A., Bukhalova, G. A. ✓

TITLE: The Quaternary System Potassium Sulfate - Potassium Chromate - Potassium Molybdate - Potassium Tungstate

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 9.
pp. 2071 - 2075

TEXT: The liquidus surface of the system $K||SO_4, CrO_4, MoO_4, WO_4$ was studied by the visual-polythermal method. The ionic radii of the anions of this system are mentioned in Table 1. The system studied and the arrangement of the polythermal sections in it are represented in Fig. 1 as a tetrahedron. The arrangement of the sections through the tetrahedron is illustrated in Figs. 4-8 by means of the corresponding projections of the diagram. The numerical data are listed in Table 2. The study of the system $K||SO_4, CrO_4, MoO_4, WO_4$ by means of five polythermal sections shows that continuous solid solutions form in this system on crystallization. The projection of the surfaces of the resulting solid phases on the tetra- ✓

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The Quaternary System Potassium Sulfate - S/078/60/005/009/033/040/XX
Potassium Chromate - Potassium Molybdate - B017/B058
Potassium Tungstate

hedron of the composition is shown in Fig. 9. There are 9 figures,
2 tables, and 4 references: 3 Soviet and 1 Italian. ✓

ASSOCIATION: Rostovskiy-na-Donu inzhenerno - stroitel'nyy institut
(Rostov-na-Donu Institute of Civil Engineering)

SUBMITTED: May 4, 1959

Card 2/2

MATEYKO, Z.A.; BUKHALOVA, G.A.

Ternary system consisting of lithium, calcium, and strontium
fluorides. Zhur. neorg. khim. 6 no.7:1728-1730 J1 '61.
(MIRA 14:7)

1. Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut.
(Lithium fluoride) (Calcium fluoride)
(Strontium fluoride)

S/078/62/007/001/005/005
B119/B110

AUTHORS: Mateyko, Z. A., Bukhalova, G. A.

TITLE: Fusing diagrams of the ternary systems: lithium, magnesium, strontium, and barium fluorides

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 1, 1962, 165-168

TEXT: In the present paper, the systematic examination of the interaction between alkali fluorides and fluorides of alkaline earths was continued. The systems Li, Mg, Sr||F and Li, Ba, Sr||F were studied. Examinations were conducted visually in a platinum crucible with a platinum stirrer at various temperatures. The temperature was measured with a Pt/Pt - Rh thermocouple. The crystallization surface of the system Li, Mg, Sr||F was studied on 10 internal sections. The crystallization fields of the three components meet in the eutectic point corresponding to 646°C and 36% Li₂F₂, 25% SrF₂, and 39% MgF₂. The Li₂F₂ field covers the smallest area due to its low melting point, but penetrates deeply into the fields of the other two components. The crystallization surface of the system Li, Ba, Sr||F was also studied on 10 internal sections. It consists of an Li₂F₂

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S/078/62/007/001/005/005
B119/B110

Fusing diagrams of the ternary ...

field, $\text{Li}_2\text{F}_2 \cdot 2\text{BaF}$ field, and that of continuous solid barium fluoride - strontium fluoride solutions. Eutectic point: 721°C , 21% SrF_2 , 53% Li_2F_2 , 26% BaF_2 . Transition point: 780°C , 24% SrF_2 , 43% Li_2F_2 , 33% BaF_3 . The extremely low melting point of the eutectic mixture of the system Li, Mg: Sr//F (646°C), allows the latter to be used as flux for welding nonferrous metals. The system Li, Ca, Sr//F was not studied. The authors assume the eutectic mixture to melt below 700°C . Among others, a paper by A. G. Bergman, Ye. I. Banashek (Ref. 1: Izv. Sektora fiz.-khim. analiza IONKh AN SSSR, 23, 201 (1953)) is mentioned. There are 4 figures, 1 table, and 6 Soviet references. ✓

ASSOCIATION: Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut
(Rostov-na-Donu Construction Engineering Institute)

SUBMITTED: November 30, 1960

Card 2/2

BUKHALOVA, G.A.; MATEYKO, Z.A.; BEREZHNYAYA, V.T.

Melting diagram for the ternary systems consisting of sodium, potassium, strontium, and barium fluorides. Zhur.neorg.khim. 7 no.7:1655-1658 (MIRA 16:3) JI '62.

1. Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut. (Systems (Chemistry)) (Fluorides)

BUKHAIOVA, G.A.; BEBEZHNA YA, V.T.; MATEYKO, Z.A.

Melting diagrams of the ternary systems consisting of calcium,
strontium, sodium, and potassium fluorides. Zhur.neorg.khim.
7 no.9:2233-2236 S '62. (MIRA 15:9)
(Fused salts) (Systems (Chemistry)) (Fluorides)

MATEYKO, Z.A.; BUKHALOVA, G.A.

Some cross sections of the quaternary reciprocal system Na^+ , Ca^{2+} , Ba^{2+} ,
 F^- , Cl^- . Zhur.neorg.khim. 8 no13:715-719 Mr '63. (MIRA 16:4) ||
(Systems (Chemistry)) (Salts)

BUKHALOVA, G.A.; MATEYKO, Z.A.

Topological analysis of the quaternary reciprocal system Na, Ca,
Ba F, Cl. Zhur.neorg.khim. 8 no.5:1233-1238 My '63. (MIRA 16:5)

(Systems (Chemistry)) (Halides) (Crystallization)

GRADIL, I. [Hradil, I.]; LEYSEK, K. [Lejsek, K.]; MATEYKOVA, Ye.

Electron microscopy of mitochondria suspended in various media.
Biofizika 10 no.1:171-173 '65. (MIRA 18:5)

1. Kafedra gistologii s embriologiyey i kafedra meditsinskoy
khimii meditsinskogo fakul'teta Karlova universiteta v Gradse
Kralove.

MATEYUNAS, T.I. (Tbilisi)

Filling of teeth with a quick-hardening plastic material with the aid
of gypsum impression. Stomatologia 38 no.5:59 S-0 '59. (MIR 13:3)

(DENTAL PROSTHESIS)

MATHASZEWSKI, S.

Pasture management on low peats. S. Mathaszewski (Roczn. Nauk Roln. 1953, 67, A, (2), 5--96).--Pasture evaluation by measuring output of milk or live wt. gains differed considerably from that obtained by chemical analysis of the forage. The peat pastures averaged 3630 feed units annually per hectare. The duration of pasturage was 150--180 days. Over six years yields from plots cut and utilised as pasture in alternate years exceeded those from plots where cutting only was practised. Milk yields were greater from cows pastured on young grass than from those on old grass. Supplementary feeding with concentrates did not increase milk

from cows pastured on young grass than from those on old grass.
Supplementary feeding with concentrates did not increase milk
yields or improve fattening, but reduced the intake of pasturage.
A. H. CORNFIELD.

SZABO, L.; MATHE, A.

The effect of urea and mannitol administration on the bio-
electrical activity of the brain in cases of cerebral oedema.
Rumanian med. rev. 7 no.3:35-40 J1-S'63

*

MATHE, Adorjan, okleveles mernok, irányító tervező

Approximate static calculation of quadrangular trusses on the basis of the equality of angular changes. Melyepitestud szemle 14 no.8/9: 410-418 Ág-s '64.

1. Water Resources Planning Office, Budapest.

MISKOLCZY, Dezzo; MATHE, Akos

Neurosurgery of hypesthesia of the acoustic nerve originating in
arachnitis. Ideg. szemle 11 no.1-2:21-24 Feb-Apr 58.

(ARACHNOID, dis.

arachnitis causing hypesthesia of acoustic nerve, surg. (Hun))

(HYPESTHESIA, surg.

acoustic nerve hypesthesia, surg.

acoustic nerve hypesthesia caused by arachnitis (Hun))

(HEARING DISORDERS, surg.

same)

MATHE, B.

Employment of semiskilled workers in the furniture industry. p. 53.
FAIPAR (Faipari Todományos Egyesület) Budapest. Vol 6, no. 2, Feb 1956.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

MATHE, B.

Some problems of the furniture industry. p. 151
FAIPAR (Faipari Tudományos Egyesület) Budapest
Vol. 6, no. 6, June 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

MATHE, B.

TECHNOLOGY

PERIODICAL: ELETROTECNICA, Vol. 6, no. 11, Nov. 1958

MATHE, B. From the experimental activities of the Electroputere Plant. p. 126

Monthly List of East European Accessions (NEAI) LC Vol. 8, No. 4
April, 1959, U class

STANCIU, Valeriu, ing. (Craiova); MATHE, Balazs, ing. (Craiova)

Current problems in the construction and manufacture of high-tension interruptors in our country. Electronica 9 no.11:401-406 N '61.

1. Inginer sef de conceptie U.E.P.C. (for Stanciu) 2. Seful serviciului Laborator central al U.E.P.C. (for Mathe)

COSTINA, Dorin (Craiova); MATHE, Balazs (Craiova); STANCIU, Valeriu
(Craiova)

Studies on the insulation of the 110 kv. electric equipment
produced in Rumania. Electrotehnica 10 no.8:304-313 Ag '62.

1. Colectiv de la uzina "Electroputere," Craiova.

MATHE, Balazs; OGREZEANU, Stefan; PANOIU, Aurel

Improvement of mechanical characteristics of high voltage breakers
by electric means. Electrotehnica 10 no.10:375-383 0 '62.

1. Colectiv de ingineri de la uzinele "Electroputere", Craiova.

CIRSTEA, D., ing. (Craiova); MATHE, B., ing. (Craiova); OGREZEANU, St.,
ing. (Craiova); PANOLU, A., ing. (Craiova); TUDORACHE, C., ing.
(Craiova).

Studies on the commutating capacity of the IUP-110 switch, under
laboratory and network conditions. Pt. 1. Electrotehnica 12 no.4:
132-141 Ap '64.

1. "Electroputere" Plant, Craiova.

CIRSTEA, D., ing.; MATHE, D., ing.; PANCIU, A., ing.

On errors in recording strong currents when using measuring transformers. Metrologia apr 11 no. 7:297-302 J1 '64.

FORIZS, Odon, dr.; MATHB, Bela, dr.

Significance of the cultivation of Koch's bacilli from the
seminal fluid in the diagnosis of genital tuberculosis. Urol.
hetil. 105 no.52:2459-2462 27 D '64.

1. Budapesti Urologiai Tbc. Gondozo.

MATHE, E.

**Experiences with metal fixation of fractures. Rozhl. chir., 31 no. 6-8:
180-184 1952. (CML 23:3)**

**1. Of the First Surgical Clinic (Head--Prof. Arnold Jirasek, M. D.)
of Charles University, Prague.**

MATHE, E.

EXCERPTA MEDICA Sec 9 Vol. 12/6 Surgery June 58

3114. (755) FRACTURES OF THE ACETABULUM - Zlomeniny acetabula -
Mathé E. 1. Chir. Klin., Praha - ACTA CHIR. ORTHOP. TRAUM. ČECH.
1957, 24/2 (95-114) Illus. 28

Fractures of the acetabulum are a comparatively rare injury. Because of the difficult reduction and development of arthrosis after healing they require good surgical care if the decision between conservative and operative treatment is very uncertain. During the 7 yr. between 1945 and 1952 altogether 32 fractures of the acetabulum were treated at the 1st Surgical Clinic in Prague. From the point of view of their mechanism and especially with regard to therapeutic needs they are divided into: fissures and fractures of the floor of the acetabulum along the lines of the anatomical union of the pelvic bones without dislocation (6), crushed fractures of the floor of the acetabulum without dislocation of the head of the femur (7), fractures of the margins of the acetabulum with luxation of the femoral head (7), central luxation (12). All injuries were treated conservatively. A description is given of the mode and mechanism of the injury, anatomical relations, clinical course and the therapeutic methods employed.

MATHE, E. MUDr.

Surgical aspects of injuries during physical training. Cesk. zdravot.
7 no.5:240-245 June 59.

1. I. chirurgicka klinika LF KU v Praze.
(ATHLETICS, wds. & inj.
surg (Cz))

MATHE, E.

Some less frequent crural complains in athletes. Cas.lek.cesk.
98 no.48:1484-1488 27 E '60.

1. I. chirurgicka klinika KU v Praze, prednosta prof.dr. J. Pavrovsky.
(LEG wds.& inj.)
(SPORTS wds.& inj.)

MATHE, E. (MD)

CZECHOSLOVAKIA

MATHE, E., MD.

First Surgical Clinic of the Faculty of General Medicine
(I. chirurgická klinika fakulty všeobecného lékařství),
Prague

Prague, Praktický lékař, No 15, 1963, pp 564-566

"Diagnosis and Treatment of Injuries to the Calf Muscle
and Achilles Tendon in Sports."

MAROS, Tibere, dr.; CSIKY, Nicolas, dr.; SERES-STURM, Louis, dr.; MATHE,
Gaillaume, dr.

Effect of medical hibernation on the morphologic lesions caused by
heart massage. Cs morfologie 9 no.4:431-437 '61.

1. Chaire d'Anatomie et de Chirurgie Operatoire de l'Institut Medico-
Pharmaceutique de Tirgu-Mures, Roumanie. Chef: Maitre de conferences
dr. Tibere Maros.

(HEART)

MATHE, Gyorgy, okleveles gepeszmernok; HORVATH, Jozsef; MIRSCH,
Lajos; ROTH, Kalman

Some questions relating to the ventilation and dust extraction
in foundries. Koh lap 96 no. 6:Suppl.:(ontode 14 no. 6:128-136
Je '63.

1. Designing Offices of the Ministry of Metallurgy and Machine
Industry, Budapest.

MATHE, Gyorgy, oklavezes gepeszmernok

Some questions of dust control during the conveyance of foundry
molding substances. Koh lap 98 no.4:Suppl:Ontoda 16 no 4:87-88
Ap '65.

1. Designing offices of the Ministry of Metallurgy and Machine
Industry.

~~GYURGY~~ MATHE, G

Distr: ²⁷4E2c

Fluorimeter for the determination of uranium. Gyurgy Mathe and Sándor Szalay. Magyar Fiz. Folyóirat 5, 247-250 (1957).—A bead consisting of a mixt. of UF₆ and NaF was irradiated with ultraviolet light. The fluorescent

light of U was projected with the help of a strong lens through a filter, to the photocathode of an electromultiplier tube. A standard of known U content was used to det. the concn. of the sample. The intensity of the fluorescence was found to be proportional to the U concn. between 10⁻³ and 10⁻⁴ g. U. E. ROOS

SC SH

MATHE, György.

Distr: 4826

27
Polishing and setting of sodium iodide (NaI) crystals.
György Mathe, Magyar Fiz. Lapok 6, 306-71 (1958).
NaI crystals of a desired size were made from bigger
crystals by scrubbing them with a wet cloth. They were
then dried in a N₂-filled dry bag. Finally they were polished
with 800-mesh carborundum until they became transparent.
They were encased in a thin-walled Al box. A thin layer of
MgO around the crystal served as light reflector. B. P.

JW
1/1

JAA

JLW

JK

HUNGARY/Nuclear Physics - Installations and Instruments.
Methods of Measurement and Research.

C

Abs Jour : Ref Zhur Fizika, No 11, 1959, 24275
Author : Mathe, Gyorgy; Scharbert, Tibor
Inst : MTA Atommag Kutato Intezet, Debrecsen, Hungary
Title : Scintillation Counter and Spectrometer
Orig Pub : Meres, es automat., 1959, 7, No 1, 1-6

Abstract : Description of an automatic scintillation gamma spectro-
meter. The scintillation counter is made in the form
of a removable block and can be used separately to regis-
ter radiation. A description and circuits are given for
the electronic portions of the instrument.

Card 1/1

SZILAGYI, Maria; BERENYI, Denes; MATHE, György

Investigating the degree of radioactive impurity of the Eu^{147} isotope preparation. Magy fiz folyoir 7 no.6:451-456 '59. (KBAI 9:4)

1. MTA Atomkutatási Intézet Debrecen.
(Radioisotopes) (Neodymium) (Cesium) (Sulfur) (Zinc)

MATHE, G.

Scintillation γ -spectrometer with relative channel widths.
Gyorgy Mathe, *Magyar Fiz. Polybirat* 7, 129-38(1959).
In a complex γ -spectrum the pulses due to high energy are smaller than those of low energies. This situation can be improved by changing the channel width relative to the discriminator voltage. An example is given by setting the channel width 2% relative to the discriminator. For example 2 v. for 100 v. discriminator, 1 v. for 50 v. discriminator. The low-energy pulses get smaller if detu. is made from high to low energies. The γ -spectrum of Nd^{144} is given as an example. E. Roma.

CTK
E. N.

2

ANGELI, Istvan; SZALAY, Sandor, egyetemi tanar; CSONGOR, Eva, docens;
MATHE, Gyorgy, tudományos munkatárs

Investigations on the function of excitation concerning Na^{23} ,
 p/Mg^{26} nuclear reaction. ATONKI közl 2 no. 3:199-204 '60.

1. Magyar Tudományos Akadémia levelező tagja; Magyar Tudományos Akadémia Atommag Kutató Intézet igazgatója, Debrecen; "ATOMKI Közlemények" felelős szerkesztője és felelős kiadója (for Szalay).
2. Kísérleti Fizikai Intézet, Debrecen (for Csongor).

MATHE, Gy.

A method for eliminating superposed pulses in nuclear spectroscopy and studies on the decay scheme of Cr-51.
ATOMKI kozl 5 no. 3/4 1-9 D '63.

1. Institute of Nuclear Research of the Hungarian Academy of Sciences, Debrecen.

MATHE, Gyorgy

Instruments of nuclear spectroscopy. Musz elet 19 no.23:13
5 N '64.

MATHE, Gyorgy

Roto-Clone type dust separators. Kohn lap 97 no.7: Suppl:
Ontode 15 no.7:163-164 JI '64.

MATHE, I.

Vegetational study of flora in Nograd County with special reference to the ecologic conditions of its meadows and pastures, p. 1, Magyar Tudományos Akademia, Agrartudományok Osztálya, KÖZLEMÉNYEI, Budapest, Vol. 9, No. 1/3, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

MATHE, Imre (Budapest, XIII., Kadar u.5); KOVACS, Margit (Budapest, XIII.,
Kadar u.5)

Peat bogs of the Matra Mountains. Botan kozl 47 no.3/4:323-331
'58.

MATHE, Imre (Budapest, XIII., Kadar u.5); KOVACS, Margit

Peat bogs of the Cserhat Mountains. Botan kozl 48 no.1/2:106-108 '59.

1. Magyar Tudomanyos Akademia Botanikai Kutato Intezete,
Vacratos (for Kovacs).

MATHE, I.; KOVACS, M.

Studies of the vegetation of the Matra Mountains. Acta bot Hung 6
no.3/4:343-382 '60. (EEAI 10:6)
(Hungary--Botany)

MATHE, Imre (Budapest, XIII., Kadar u.5)

In commemoration of Dezso Rávy, 1900-1954. Botan közl 48
no.3/4:155-157 '60.

MATHE, Imre (Budapest, XIII., Kadar u.5)

Taxonomic question of *Matricaria chamomilla* L.var.*salina* Schur.
Botan kozl 48 no.3/4:258-260 '60.

MATHE, Imre (Budapest, XII., Daniel ut 40); KOVACS, Margit

The vegetation of Sarhagy at Gyongyos. Botan kosl 49 no.3/4:
309-328 '62.

1. Magyar Tudomanyos Akademia Botanikai Kutato Intezete, Vacratot
(for Kovacs).

KOVACS, Margit; MATHÉ, Imre (Budapest , XIII, Kadar u. 5)

Rock plants of the Matra Mountains. Botar. kozl. 51 no.]:1-18
'64

1. Botanical Research Institute, Hungarian Academy of Sciences,
Vacrátot (for Kovacs).

Mather, J.

4

An electrographic method of analysis. J. Mather and Silvia Pasta (Univ. Cluj, Rumania). *Rev. Roum. Chim.* (Bucharest) 24, 75-77 (1959). The method proposed by Glazunov (C.A. 23, 6123) and by Irikovsky (C.A. 25, 5640) for the detection of several cations without injuring the specimen was modified to include a mobile Pt anode and an Al (or any other metal inert in the system) cathode on which were placed 2 filter papers impregnated with an electrolyte and a freshly prepd. reagent soln., resp. The specimen was placed between anode and the paper contg. the reagent. Duration of the electrolysis was a few sec. Ni and Mo were detd. in steel and Zn, Al, and Mg in some alloys with specific reagents such as dimethylglyoxime, alizarin, etc. G. A.

BI

COUNTRY : Rumania E-2
CATEGORY : Analytical Chemistry.

ABS. JOUR. : RZKhim., No. 7, 1959, No. 23082

AUTHOR : Liteanu, C.; Mathe, I.
INST. : Rumanian Academy
TITLE : Irreversible Redox Indicators. Communication II
Photometric Study of the Method of Titrating
Arsenic with Bromate in the Presence of *

ORIG. PUB. : Studii si cercetari stiint. Acad. RPR Fil.
Iasi. Chim., 1957, 8, No 1, 33-42

ABSTRACT : A photometric study of the rate of the
breaking up of the indicator by bromine formed as a result
of secondary reactions between Br^- and BrO_3^- , and Cl^- and
 BrO_3^- , in bromatometric titration of As^{3+} , depending on
concentration of H^+ and Br^- at equivalence point. It was
found that when methyl orange is used as the indicator
(0.5 ml of 0.01% solution) accuracy of determination of As
depends on concentration of HCl and As^{3+} (respectively Br^-)
in the titrated solution, and a sharp color change of the
indicator near the equivalence point (error $\sim 0.4\%$) is
observed when the value of the product $[\text{H}^+]^5 \cdot [\text{Br}^-]$ is in
the range 0.4-1.2 (concentration expressed in mole/liter).

CARD: 1/2

* Methyl Orange and Indigo Carmine.

MATHE, I.

RUMANIA/Analytical Chemistry - General Questions.

E-1

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24680

Author : Liteanu, C., Mathe, I.

Inst : -

Title : Irreversible Redox Indicators. I. Photocolorimetric Study of the Method of Titration of Antimony with Bromate in the Presence of Methyl Orange and Methyl Red/

Orig Pub : Rev. chim., 1957, 8, No 8, 540-543

Abstract : The irreversible decolorization of methyl orange, or methyl red, on titration of Sb^{3+} with $KBrO_3$ takes place, depending upon the conditions, frequently before or after the equivalence point. With an HCl concentration of 6-10% the decolorization occurs prior to the point of equivalence and this can be obviated by addition of KBr (less than $3 \cdot 10^{-2}$ M/liter). Study of the effect of acidity, concentration of indicators, and also of $KBrO_3$, was carried out by photocolorimetric measurements of extinction of

Card 1/2

RUMANIA/Analytical Chemistry - General Questions.

E-1

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24680

solutions under investigation. The authors believe that the indicators are decolorized most rapidly by the action of Br ions which are formed in the reactions: $Br_2 + H_2O \rightleftharpoons BrOH + HBr$; $BrOH + H^+ \rightarrow H_2OBr^+$, $H_2OBr^+ \rightleftharpoons H_2O + Br^+$.

Card 2/2

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DOBO, János; CZVIKOVSKY, Tibor; MATHE, Istvan

Experiences with the introduction of the Co-60 radiation source
of 500 curies by the Research Institute of the Plastics Industry.
Energia es atom 14 no.8/9:406-408 S '61.

1. Muanyagipari Kutato Intezet.

MATHE, J.

The construction of elevated stackers and loading slides alongside railroad tracks.
p. 312. (Banyaszati Lapok, Vol. 13, no. 17, Apr. 1957 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7. July 1957. Uncl.

MATHE, J.

A new apparatus for the examination of rails used by the Hungarian State Railways.
p. 315. (Banyaszati Lapok, Vol. 13, no. 17, Apr. 1957 Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

MATHE, Jozsef

Mechanization of loading and the development of open railroad
freight cars. Kozleked kozl 19 no.17:300-302 28 Ap '63.

MATHE, Karoly

TOTH, Bela, dr.; BAJKOR, Jozsef, dr.; MATHE, Karoly, dr.

ACTH in the therapy of subacute and chronic inflammations of the uterine region. Orv. hetil. 98 no.15:389-391 14 Apr 57.

1. A Tetenyi uti területi Korhas (igaszgato: Zellner, Pal, dr.) Szulo nobetgo Osztalyanak (mb. foorvos: Acs, Miklos, dr.) es I. ss. Belgyogyasati Osztalyanak (foorvos: Zellner, Pal, dr.) kozlemenye.

(UTERUS, dis.

inflamm. of uterine region, subacute & chronic, ther..

ACTH (Hun))

(ACTH, ther. use

inflamm. of uterine region, subacute & chronic (Hun))

MATHE, Lajos, okleveles mernok

Slurry settlement questions in thermal plants. Energia es atom
16 no.4:162-169 Ap '63.

1. Eromu Troszt, TMO.

MATHE, Lajos

Elimination of the dusting of pulp spaces of heat power
plants. Energia es atom 17 no.4:187-192 Ap'64.

MATHE, Lajos; SZILAVY, Janos

Peak load of Hungarian hydroelectric stations and a new method
for investigating its economy. Energia es atom 17 no.3:105-118
Mr '64.

1. Power Plant Trust (Budapest Enterprise of Heating Power Plants),
Budapest.

MATHE, Lajos, okleveles mérnök

Pump (hydraulic) power accumulators. Energia és stb. 17 no.7:
297-304 JI '64.

1. Hungarian Electric works.

MATHE, M.

M. J. Variations in the blood sulfamethylthiazole concentration in cattle, sheep, and dogs after different dosages. M. Bayed and M. Máthé (Coll. Vet. Med., Budapest). *Acta Vet. Acad. Sci. Hung.* 3, 303-302 (1958) (in German).—The concn. of sulfamethylthiazole (S) in blood was detd. at intervals after administration of various doses. M. G. H.

MAROSH, T. [Maros, T.]; ~~MATHE, V.~~ [Mathe, V.]; RETINGI, K. [Retingi, K.]

Change in the reactivity of connective tissue after burns.
Arkh. pat. no. 12:50-54 '62 (MIRA 18:1)

1. Iz kafedry anatomii i operativnoy khirurgii (zav. - prof.
T. Marosh) Mediko-farmatsevticheskogo instituta g. Tyrgu-Maresht,
Rumyniya.

KASSAY, Gyorgy, dr.; MATHR, Valeria, dr.

Effect of skin temperature changes in schizophrenia. Ideg.
szemle 13 no.1:21-29 Ja '60.

1. Az Orszagos Ideg- es Elmegyogyintezet kozlemenye Igazgato-
foorvos: dr. Maria Bela.

(SCHIZOPHRENIA physiol)
(BODY TEMPERATURE)

SZAVA, Janos; TIBOR, Maros; MATHE, Vilmos; PETER, Mihaly

Experimental studies in connection with changes in reactive capacity of the connective tissue after burns. (Data on the problem of the development of a tendency to keloids). Kiserletes orvostud. 13 no.4:392-399 Ag '61.

1. Marosvasarhelyi Orvosi Egyetem Anatomiai es Mutettani Intezete es Ortopediai Klinikaja.

(BURNS exper) (KELOID exper) (CONNECTIVE TISSUE pathol)

BARCA, Sandor, dr.; FOLDES, Janos, dr.; MATHE, Zoltan, dr.

Study on blood serum iron in acute hepatitis. Orv. hetil.
97 no.25:681-683 17 June 56.

1. A Kutvolgyi uti Allami Kórház (igaz.-főorvos: Hancsok, Mariusz dr.) Belosztal. (osztályvezető főorvos: Policser, Miklos dr., az orvostudom. Kandidátusa) közl.

(BLOOD

iron determ. in infect. hepatitis & value as liver
funct. test. (Hun))

(IRON, in blood

determ. in infect. hepatitis & value as liver funct.
test. (Hun))

(HEPATITIS, INFECTIOUS, blood in

iron determ., value as liver funct. test. (Hun))

(LIVER FUNCTION TESTS

blood iron test. (Hun))

POLICZER, Miklos, dr.; MATHE, Zoltan, dr.; BARCA, Sandor, dr.

Diagnosis of autonomic regulation disorders. Orv. hetil. 97
no.42:1150-1163 14 Oct 56.

1. A Kutvolgyi uti Allami korhaz (igazgato: Hancsok, Mariusz, dr.)
Belosztalyanak (foorvos: Policzer, Miklos, dr., az orvostudomanyok
kandidatusa) kozlomenye.

(AUTONOMIC NERVOUS SYSTEM, dis.
regulation disord., diag. methods (Hun))

MATHE, Zoltan Dr
MAGYAR, Imre, Dr.; MATHE, Zoltan, Dr.

Increase of the alkaline phosphatase content of the serum without
Janudice. Orv. hetil. 99 no.10:346-348 9 Mar 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:
Rusznayk Istvan dr. egyet. tanár) közleménye.

(PHOSPHATASES, in blood
non-icteric increase of alkaline phosphatase content (Hun))

MAGYAR, Imre, Dr.; MARTON, Istvan, Dr.; MATHÉ, Zoltan, Dr.; REFI, Zoltan, Dr.;
KERTAI, Pal, Dr.

Mechanism of action of oral antidiabetics. Orv. hetil. 99 no.26:885-
889 29 June 58.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:
Rusznayk Istvan dr. egyet. tanár) közleménye.

(ANTIDIABETICS

carbutamide & tolbutamide, mechanism of action (Hun))

JELLINEK, Harry; LITTMANN, Imre; SULE, Eva; FOLDI, Mihaly; MATHE, Zoltan

Cases of Takayasu's disease and tuberculosis. Magy. belorv. arch.
13, no. 4: 104-110 Ag '60.

1. A Budapesti Orvostudományi Egyetem II. sz. Kóronctani Intézetének, I. sz. Belgyógyászati Klinikájának, Fővárosi László Kórház Sebészeti Osztályának és a IX. ker. TBC Gondozó Intézet közleménye.
(AORTA dis)
(ARTERITIS case reports)
(TUBERCULOSIS, PULMONARY case reports)

JELLINEK, H.; LITTMANN, I.; SULK, E.; FOLDI, M.; MATHE, Z.

Takayasu's disease and tuberculosis. Acta med. hung. 16 no.1:3-17
'60.

1. 1st Institute of Pathology (Director: prof. L. Haranghy) and
1st Department of Medicine (Director: prof. I. Rusznyak).
University Medical School, Budapest, Department of Surgery
(Director: I. Littman) of the Central Hospital for Infectious
Diseases, Budapest, and the 9th District Tuberculosis Dispensary
(Director: G. Sulc), Budapest.
(TUBERCULOSIS PULMONARY compl.)
(AORTA dis.)
(ARTERITIS compl.)

HUNGARY

SOLTI, F.; SZ. SZ. M.; ~~XATHE~~, L.; MARY, Gy.; ACS, Gy.; Medical University of Budapest, 1st Medical Clinic (Budapesti Orvostudományi Egyetem I. sz. Belklinika)

The Effect of Novocaine on the Coronary Circulation."

Summary, Kisebites Orvostudomány, Vol XIV, No 6, 1962, pp 619-627.

[Authors' summary] The effect of novocaine on the coronary circulation was studied: 1/ after previous coronary ligation, 2/ under normal coronary circulation (novocaine was administered in a slow i.v. injection in 0.6g dose). The results showed that after acute coronary occlusion novocaine significantly increased the coronary flow and decreased coronary resistance. The flow remained unchanged under normal coronary circulation. Blood pressure and the minute volume did not show significant changes due to novocaine. On EKG pictures it was significant that the ventricular IS following the coronary ligation did not appear under novocaine administration. The pathomechanism of the effect of novocaine on the coronary circulation was discussed.

[System, Soviet-cit references]

T1

SOLTI, F.; ISKUM, M.; MATHE, Z.; MARK, Gy.; ACS, Gy.

Effect of procaine on coronary circulation. Acta physiol. acad.
sci. hung. 21 no.4:353-357 '62.

1. 1st Department of Medicine, Medical University, Budapest.
(PROCAINE) (CORONARY VESSELS)

MATHE, Zoltan, dr.

Data to the treatment of a fistula between a brain abscess and the cerebral ventricles. Orv. hetil. 106 no.29:1384-1385
18 J1'65.

1. Nagykanizsai Varosi Korhaz, Ful., orr-, gepocztaly (foorvos:
Mathe, Zoltan, dr.).

Oncology

SUMMARY

SEBASTIAN, Eva, Dr., MATHE, Zoltan, Dr; Medical University of Budapest, I. Medical Clinic (director: MATYAR, Imre, Dr) (Budapesti Orvostudományi Egyetem, I. Belklinikai).

"Simultaneous Occurrence of Refractory Anemia and Chromophobe Adenoma."

Magyar Orvosi Hírlap, Vol 100, No 41, 9 Oct 69, pages 1943-1946.

Abstract: [Author's Hungarian summary] The case of a 57 year old male patient is described who had refractory anemia in the presence of hyperplastic, "megakaloblastoid" bone marrow. In the course of one year of observation, the patient received 31 liters of blood. Drug therapy was without effect. At autopsy, a chromophobe pituitary adenoma was found. The possibility of a relationship between the two diseases is raised. 1 Hungarian, 14 Western references.

MATHE, Zoltan, okleveles mernok

Flood control experience at the Sio and Nador Canals. Vizugyi
kozl no.3:320-325 '63.

1. Kozepdunantuli Vizugyi Igazgatosag arvizvedelmi csoportjanak
vezetoje.

AUTHOR: Mathea, A.

SOV/133-58-7-16/27

TITLE: A Simplified Nomogram for the Determination of the Radius of the Deformed Part of the Roll During Cold-rolling of Strip and Sheets (Uproshchennaya nomogramma dlya opredeleniya radiusa deformirovannoy chasti valka pri kholodnoy prokatke lent i listov)

PERIODICAL: Stal', 1958, Nr 7, pp 635 - 638 (USSR)

ABSTRACT: Translated from Neue Hütte, 1957, Nr 7, pp 417-422 by D.Ya. Gurevich.

1. Metals--Deformation 2. Mathematics--Applications

Card 1/1

MATHEEV, A.

200

Matheev, A. Sur une extension d'un théorème de W. Blaschke. Annuaire [Godisnik] Univ. Sofia. Fac. Phys. Math. Livre 1. 42, 201-212 (1946). (Bulgarian. French summary)

Après rappel de propriétés classiques sur les fonctions sousharmoniques et l'intégrale de Stieltjes, l'auteur donne un résultat qui revient aussitôt à ceci: si u est sousharmonique dans la sphère (cercle) unité de centre O , valant $-\infty$ aux points de la suite P_k ($OP_k \neq 0$ et $\rightarrow 1$), harmonique, il y ait une majorante harmonique, il est le

Mathéev

Mathéev, A. Sur les fonctions holomorphes dans le cercle-
unité, dont les zéros ont tous leurs points limites sur la
Sé. Math. Nat. 1, no. 1,

unite, dont les

frontière. C. R. Acad. Bulgare Sci. Math. Nat. 4, no. 1,
29-32 (1948).

A false proof that a class of functions

$$R(z) = \prod_{i=1}^n (z_i - z)/(1 - z z_i), \quad |z_i| < 1,$$

is normal in $|s| < 1$. The result is trivial, since $|R(s)| < 1$,
 $|s| < 1$. W. K. Hayman (Exeter).

Source: Mathematical Reviews.

Vol 10 No. 6

Matheev, A.

Matheev, A. Sur la géométrie différentielle des surfaces
régées de l'espace elliptique. // Annuaire [Godišnik]
Univ. Sofia. Fac. Sci. Livre 1. (Math. Phys.) 44, 235-308
(1948). (Bulgarian. French summary)

Source: Mathematical Reviews, Vol 12, No. 3.

8712..

M. A. Théry, A.

Mathéev, A. Discontinuité de la dérivée normale du potentiel de simple couche dans un espace de Riemann. Équation de Poisson. Annuaire [Godišnik] Univ. Sofia. Fac. Sci. Livre 1. 45, 227-238 (1949) (Bulgarian. French summary)

According to the French summary the author generalizes the classical theorems on Newtonian potentials and potentials in Riemannian space.

potentials being
of the Beltrami

Journal of Pure and Applied Mathematics
New York, N.Y. (Los Angeles, Calif.)

6/13

Source: Mathematical Reviews, Vol. 13 No. 1

MATHEEV, A.

Mathéev, A. Sur certaines questions de la géométrie
des surfaces de l'espace elliptique
Bull. Acad. Sci. Bulg. Math. Livre 2 48 (1954),
77-86 (1954). (Bulgarian. French summary)
Le travail contient la généralisation des théorèmes de
Moutard et de Darboux pour les surfaces dans l'espace elliptique.
Pour les surfaces réglées on écrit l'équation différentielle
des courbes asymptotiques et aussi des courbes de courbure
nulle. On détermine les surfaces minima réglées.

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E. Vybichle (Prague)

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032820019-5"

MATHEEV, A.

26

sovia, Doklady Akademiya Nauk, Vol 14, no 3, 1961

1. "Distribution of Tangential Planes to Surfaces of the Congruence of Straight Lines in the Hyperbolic Space" A. MATHEEV, pp 235-237.
2. "Measuring the Activation Energy of Adhesion Levels in Lead sulfide" IV. BAEV and L. KRYEV, pp 130-142 (English Summary)
3. "A New Precise Differential Method for Laboratory Purposes" L. ROJDESHIEV and I. SCHIPOV, pp 243-246.
4. "Microquantitative Determination of Chlorine and Iodine Ions" N. SHKINOV and K. KOEV, pp 247-250.
5. "Comparative Amino Acid Content of the Meats of Some Fruit Stones" S. I. YAKOV, pp 251-254.
6. "A New Method of Removing Sulfur from The Kremukovci Limestone Ore" N. YANKINOV, pp 255-257.
7. "Absorption of Nitrogen Oxides in the Vibrating Phase of Sodium Hydroxide Solutions. Part II" D. PAVLOV, Chr. BELASOV, L. BELASOVA and D. LAMAROV, pp 259-263.
8. "On the Rate of Absorption of Pure Gases" D. MATHEEV, D. ZELKOV and C. BALABEV (IN ENGLISH) pp 263-265.
9. "Effect of Some Inorganic Additives on the Reduction of Copper Oxide by Carbon Dioxide at Low Temperatures" M. B. KUCHAROV, pp 267-270.
10. "Bogoritsa from the Radna Mine, Panagyur Basin" T. O. BALABEV, pp 271-274 (English Summary).
11. "Aluminum Saponite from Svetluka, Ardin Basin" I. TEBOROVA, pp 275-278 (English Summary).
12. "Regarding the Experimental Variability of Escherichia coli" S. GILASOV, pp 279-281.
13. "Studies on the Formation of Capsule by Certain Strains of Bacillus anthracis in Vitro" G. IV. RADNIEV, pp 283-285.
14. "Antibiotics and the Reticulo-Endothelial System Fixation Activity in Mice Treated with Gedilosa Iron Sulfate" As. TOCHKOV, G. SHELKOVA and D. STOVANOV, pp 287-290.
15. "Electron Microscopic Study of Lungs of Snakes" R. KRASIEV, pp 291-294.
16. "Human Leptospirosis Due To Leptospira saxosobing in Bulgaria" I. KUVINGIEV, pp 295-298.

GOTTSEGEN, Gyorgy, dr.; MATHEIDESZ, Pal, dr.; ROMODA, Tibor, dr.

Simultaneous incidence of developmental disorders of the face and the heart. Orv. hetil. 97 no.12:333-335 18 March 56.

1. A Fovarosi Istvan Korhaz (igaz.: Kotona, Istvan dr.) III.
Beloszt. es Kardiopulmonalis Laborat. (foorvos: Gottsegen, Gyorgy dr.)
kozl.

(FACE, abnorm.

mandibulo-facial dysplasia with cardiac septal
defect, etiol. (Hun))

(CARDIOVASCULAR DEFECTS, CONGENITAL

septal defect with mandibulo-facial dysplasia,
etiol. (Hun))

(ABNORMALITIES

mandibulo-facial dysplasia with cardiac septal
defect, etiol. (Hun))

Matheides, Pal
GOTTSEGEN, Gyorgy; MATHEIDES, Pal; ROMODA, Tibor

Pressure in the pulmonary circulation and thoracic space in heart diseases. Magy. belorv. arch. 10 no.5-6:148-155 Oct-Dec 57.

1. A Fovaros1 Istvan Korhaz (igazgato: Kotona Istvan) III Bolsztelyanak es Kardiopulmonalis Laboratoriumanak (foorvos: Toó Gottsegen, Gyorgy) kozlemenye.

(HEART DISEASES, physiol.

blood pressure in pulm. circ. & thoracic vessels (Hun))

(BLOOD PRESSURE, in varioud dis.

heart dis., pressure in pulm. circ. & thoracic vessels (Hun))

1918/11/27/1000 1/1
GOTTSEGEN, Gyorgy, dr.; SZAM, Istvan, dr.; ROMODA, Tibor, dr.;
MATHEIDES, Pal, dr.

Pathological data on perforation of ventricular septum. Orv.
hetil. 98 no.13:327-330 31 May 57.

1. A fovarosi Istvan Korhas (igazgato: Katona, Istvan, dr.) III.
Belosztalyanak es Kardiopulmonalis Laboratoriumanak (foorvos:
Gottsegen, Gyorgy, dr.) kozlemenyé.

(CARDIAC SEPTUM, perf.

interventric., in myocardial infarct. case reports (Hun))

(MYOCARDIAL INFARCT, compl.

interventric. septum perf., case report (Hun))

GOTTSEGEN, Gyorgy, dr.; MAKLARI, Erzsebet, dr.; MATHEIDES, Pal, dr.

On the epidemiology of rheumatic fever. Orv. hetil. 103 no.52:2466-2468
30 D '62.

1. Orszagos Kardiologiai Intezet.
(RHEUMATIC FEVER)

BURDZINSKA, J.; MATHEISEL, K.

Myocardial damage in mucoviscidosis. Kardiol. Pol. 7 no.3:
233-237. J '64.

1. Z Wojewodzkiej Przychodni Kardiologicznej (Kierownik: prof.
dr E. Szczeklik) i z I Kliniki Pediatrycznej Akademii Medycznej
we Wroclawiu (Kierownik: prof. dr T. K. Nowakowski).

MATHEISEL, Krystyna; SASSOMA, Janina

Atypical course of leukemia with cutaneous changes. Pol. tyg. lek.
19 no.39:1502-1503 28 S '64

1. Z I Klinik Medycyny Prof. Akademii Medycznej we Wrocławiu
(Kierownik: prof.dr. med. Tadeusz Nowakowski).

LEWANDOWSKA, Janina; MATHEISEL, Krystyna; RUDKOWSKI, Zbigniew

Finger-sweat test and examination of chlorides in the saliva
in children with bronchial asthma. Pol. tyg. lek. 19 no.43:
1640-1643 26 0 '64

1. Z I Kliniki Pediatricznej Akademii Medycznej we Wroclawiu
(Kierownik: prof. dr. med. Hanna Hirszfildowa [deceased]).

BURDZINSKA, Jadwiga; MATHEISEL, Krystyna

Pneumo-cardiac form of mucoviscidosis simulating congenital heart defect. *Pediat. Pol.* 39 no.6:705-710 Je '64.

1. Z I Kliniki Pediatrycznej Akademii Medycznej we Wroclawiu (Kierownik: prof. dr med. T. Nowakowski).

MATHEISEL, Krystyna

Relation of the hematocrit index and erythrocyte count in children under 2 years of age. *Pediat. Pol.* 40 no.10:1071-1074 0 '65.

1. Z I Kliniki Pediatricznej AM we Wroclawiu (Kierownik: prof. dr. med. T.K. Nowakowski).

MATHEISEL, Z.; BRAGINSKI, A.

MATHEISEL, Z.; BRAGINSKI, A. Magnetic materials. p. 339

Vol. 32, no. 5, May 1956
PRZEGLAD ELEKTROTECHNICZNY
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, 1957

BAZAN, Cz.; MATHEISEL, Z.

A new method of magnetic anisotropy investigation. Archiw
elektrotech 11 no.3:441-452 '62.

1. Zakład Niskich Temperatur, Instytut Fizyki, Polska
Akademia Nauk, Warszawa.

MATHEISEL, Z., mgr. inż.

Thermal treatment of cut-outs from iron sheet rolled in cool state.
Przełg elektrotechn 38 no.3:131-132 Mr '62.

1. Zakład Materialoznawstwa Elektrotechnicznego, Instytut Elektro-
techniki, Warszawa, Miedzylesie, Pozaryskiego 28.